Listing of Claims

1.   (Currently Amended) A method for running in parallel at least one parallel method <u>called by</u> ~~associated with~~ a sequential caller program, said method comprising:

issuing a dedicated parallelization call to a parallel program manager comprising all control information needed to allow for running said parallel method as a parallel program, wherein programming of said parallel program manager and said parallel program are independent of the programming of said sequential caller program in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms.

2.   (Currently Amended) The method according to claim 1 further comprising:

serializing input arguments for a subprogram means,

running said parallel method in parallel on <u>one or more different machines</u> ~~a different machine~~ yielding a result,

returning said result to the caller program, <u>and</u>

deserializing the result.

3.   (previously presented)   The method according to claim 1 further comprising the step of generating said parallel method with a script program means which in

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turn is arranged to invoke a stream editor in order to
fill a template means with the code or the name of the
method to be computed in parallel.

4.   (previously presented)   The method according to
claim 3, further comprising the step of automatically
generating an instantiation of said template means.

5.   (previously presented) The method according to
claim 4 in which a script is used for generating
parallel subprograms.

6.   (previously presented)   The method according to
claim 1 in which said dedicated parallelization call is
done more than once during the run of said caller
program means.

7.   (previously presented) The method according to
claim 6 in which parallelization parameters are
selectable for each dedicated parallelization call.

8.   (previously presented)   The method according
claim 2 further comprising the step of using a program
library which comprises program means for performing
the steps of serializing input arguments, running said
parallel method in parallel, returning said result and
deserializing the result.

9.   (Currently Amended) A distributed computer system
arranged for running in parallel at least one parallel
method called by ~~associated with~~ a sequential caller
program, said system comprising:
processor component means for issuing a dedicated
parallelization call to a parallel program manager

comprising all control information needed to allow for running said parallel method as a parallel program, wherein programming of said parallel program manager and said parallel program are independent of the programming of said sequential caller program in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms.

10.   (currently amended) A computer program comprising code portions adapted for running in parallel at least one parallel method called by associated with a sequential caller program, when said program is loaded into a computer device, said method comprising:

issuing a dedicated parallelization call to a parallel program manager comprising all control information needed to allow for running said parallel method as a parallel program, wherein programming of said parallel program manager and said parallel program are independent of the programming of said sequential caller program in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms.

11.   (currently amended) A computer program product stored on a computer usable medium comprising a computer readable program for causing a computer to perform a method for running in parallel at least east one parallel method called by associated with a sequential caller program, said method comprising:

issuing a dedicated parallelization call to a parallel program manager comprising all control information needed to allow for running said parallel method as a

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parallel program, wherein programming of said parallel
program manager and said parallel program are
independent of the programming of said sequential
caller program in at least one of the following
aspects: programming language, compilation, linkage,
and hardware platforms.

12. (previously presented) A program library
comprising at least one of:

an implementation of an application interface for
procedural parallel operating environment (POE) calls
to a parallel program manager, wherein programming of
said application interface is independent of the
programming of said parallel program manager in at
least one of the following aspects: programming
language, compilation, linkage, and hardware platforms;

template means for parallel subprogram means; and

script means for generating parallel subprograms.

13. (previously presented) The library according to
claim 12 which provides prerequisites to generate user
library functions that make parallelism transparent to
a caller of said user library functions.

14. (previously presented) A user library generated
by means of the library according to claim 12.

15. (previously presented) The library according to
claim 12 which said library is a dynamic link library.

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16.   (currently amended) A parallel program managing
tool comprising program means for returning results
from parallel executable subprogram means <u>to a
sequential caller program wherein programming of said
parallel executable subprogram means is independent of
the programming of said sequential caller program in at
least one of the following aspects: programming
language, compilation, linkage, and hardware platforms.</u>